

Serial No. 10/803,766
60246-347; 10914

AMENDMENT

IN THE SPECIFICATION:

Please amend paragraph 13 as follows:

Figure 1 schematically illustrates a refrigeration system utilized to cool ~~the~~ a refrigerated ~~component~~ compartment of the present invention;

Please amend paragraph 14 as follows:

Figure 2 schematically illustrates a graph showing the effect of improperly shutting down and starting up a refrigeration system with regard to the average kilowatt demand of equipment as a function of time; ~~and~~

Please amend paragraph 15 as follows:

Figure 3 schematically illustrates a graph showing the effect of improperly shutting down and starting up a refrigeration system with regarding to the temperature of the inventory as a function of time; ~~and~~

Please add the following a paragraph between paragraph 15 and 16:

Figure 4 schematically illustrates a refrigeration system utilized to cool a refrigerated compartment used with scientific or medical applications.

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Please amend paragraph 17 as follows:

Refrigerant is compressed in a compressor 22 to a high pressure and a high enthalpy. The compressed refrigerant then flows through a condenser 24 and is cooled. The high pressure and low enthalpy refrigerant is then expanded to a low pressure in an expansion device 26. The expansion device 26 can be an electronic expansion valve, or any other type of expansion device. After expansion, the refrigerant flows through an evaporator 28 and accepts heat from the air in the refrigerated compartment 30. An evaporator fan 32 blows a fluid over the evaporator 28, and the fluid rejects heat to the refrigerant in the evaporator 28, heating the refrigerant and cooling the fluid in the refrigerated compartment 30. In one example, the fluid is air. The refrigeration system 20 can also include more than one evaporator 28 and 44 (i.e., master-slave). If more than one evaporator 28 is employed, the evaporators 28 and 44 can operate independently and at different times. That is, one evaporator 28 can be operating when the other evaporator 44 is not operating. The refrigerant then returns to the compressor 22, completing the cycle.

Please amend paragraph 25 as follows:

Operators of the kitchen or restaurant can program the duration of the sleep-mode into the electronic refrigeration controller 42. Alternately, the duration of the sleep-mode can be programmed when the electronic refrigeration controller 42 is manufactured. The duration can be programmed on site at the kitchen or restaurant or remotely by a remote monitoring device 60. In one example, the duration of the sleep-mode is between 5 minutes and 120 minutes. For example, if the refrigerated compartment 30 is employed in a restaurant or kitchen and usually turned off during cleaning or replenishment, the sleep-mode can be programmed to be between 15 minutes and 30 minutes in duration. The sleep-mode can have a longer duration, such as between 8 hours and 48 hours, for example if the sleep-mode is to occur over a weekend. It is to be understood that the sleep-mode can have other durations depending on the application.